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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/658,394	09/10/2003	Patrick Mailliet	ST99049G1 US DIV	2263	
⁵⁴⁸⁷ ANDREA Q. R	7590 12/31/200 YAN	EXAMINER			
SANOFI-AVE	NTIS U.S. LLC	JARRELL, NOBLE E			
1041 ROUTE 202-206 MAIL CODE: D303A			ART UNIT	PAPER NUMBER	
BRIDGEWATI	BRIDGEWATER, NJ 08807			1624	
			NOTIFICATION DATE	DELIVERY MODE	
			12/31/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)		
	10/658,394	MAILLIET ET AL.		
Office Action Summary	Examiner	Art Unit		
	NOBLE JARRELL	1624		
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address		
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).		
Status				
1) ☐ Responsive to communication(s) filed on 19 A 2a) ☐ This action is FINAL . 2b) ☐ This 3) ☐ Since this application is in condition for allowated closed in accordance with the practice under the	s action is non-final. nce except for formal matters, pr			
Disposition of Claims				
4) ☐ Claim(s) 22,24-27 and 31-36 is/are pending in 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) 26 is/are allowed. 6) ☐ Claim(s) 22,24-25,27,31-36 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration.			
Application Papers				
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	cepted or b) objected to by the drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate		

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DETAILED ACTION

Response to Amendment

1. The issues regarding foreign priority have been overcome by the amendment filed 11/19/2007.

- 2. The objection to the title is overcome by the amendment filed 11/19/2007.
- 3. The rejection under 35 USC 112 1st paragraph is overcome is overcome by the amendment filed 11/19/2007.
- 4. The rejection under 35 USC 103(a) is overcome by the amendment filed 11/19/2007. The examiner agrees with the applicant in regard to Patani and LaVoie teaching away from substituting chlorine with hydrogen.
- 5. The rejection of claims 22, 24 and 27 under non-statutory obviousness-type double patenting with copending application 10/996637 is maintained.

Claim Rejections - 35 USC § 112

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim(s) 25 is unclear as to the identity of that which applicant regards as the invention . Such claim language reciting inhibitory activity is generally used to denote a causative factor in determining the process by which a particular disease occurs. Determining whether a given disease responds or not to inhibition of "telomerase" involves much experimentation since a negative response from one patient does not mean the drug isn't useful as no drug has 100% effectiveness. Thus what "success rate" determines if a particular compound is effective and how many patients (and dosage regimens) need to be tested? Applicants only show the relationship of telomerase inhibition to the treatment of lung cancer. The test for determining

compliance with 35 USC 112, paragraph two, is whether applicants have clearly defined "their"

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invention not what may be discovered by future research as this type of claim language clearly requires.

7. Claims 31-36 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. What type(s) of topoisomerases is/are referred to, archael, bacterial, or eukaryotic ("DNA Topoisomerases, type 1",

http://www.nlm.nih.gov/cgi/mesh/2008/MB_cgi?mode=&term=DNA+Topoisomerases,+Type+I&f ield=entry#TreeD08.811.399.403.483, accessed December 12, 2007)? What fluoropyrimdines are referred to? What specific oestrogenic and androgenic hormones are being used in combination with compounds of formula I? In claim 35, what is UFT?

Allowable Subject Matter

- 8. Claim 26 is allowed.
- 9. The following is a statement of reasons for the indication of allowable subject matter: Singh et al. (*Journal of Medicinal Chemistry*, **1971**, *14* (*6*), 532-535, cited in previous action) report compound 22 of table 1. This structure does not render compounds of claim 22 obvious because it is substituted by chlorine (that rejection was dropped) and it is also taught that this compound is being used for the treatment of malaria, not lung cancer.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NOBLE JARRELL whose telephone number is (571)272-9077. The examiner can normally be reached on M-F 7:30 A.M - 6:00 P.M. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. James O. Wilson can be reached on (571) 272-0661. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Noble Jarrell/ Examiner, Art Unit 1624 /James O. Wilson/ Supervisory Patent Examiner Art Unit 1624